

Please type a plus sign (+) inside this box

UTILITY
PATENT APPLICATION
TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Attorney Docket No. 112047-0013

First Inventor or Application Identifier Yassir Elley et al.

Title METHOD AND SYSTEM FOR PROVING MEMBERSHIP IN A NESTED
GROUP USING CHAINS OF CREDENTIALS

Express Mail Label No. EL024396881US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility application contents

ADDRESS TO:

Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

1. ☒ *Fee Transmittal Form (e.g., PTO/SB/17)

(Submit an original and a duplicate for fee processing)

2. ☒ Specification [Total Pages 37]

(preferred arrangement set forth below)

- Descriptive title of the Invention
- Cross References to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to Microfiche Appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

3. ☒ Drawing(s) [Total Sheets 6]

4. Oath or Declaration [Total Pages 3]

a. ☒ Newly executed (original copy)

b. ☐ Copy from a prior application (37 C.F.R. § 1.63(d))

(for continuation/divisional with Box 17 completed)

[Note Box 5 below]

DELETION OF INVENTOR(S)

☐ Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).

5. ☐ Incorporation By Reference (useable if Box 4b is checked)
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference therein

6. ☐ Microfiche Computer Program (Appendix)

7. Nucleotide and/or Amino Acid Sequence Sequence Submission

((if applicable, all necessary))

a. ☐ Computer Readable Copy

b. ☐ Paper Copy (Identical to computer copy)

c. ☐ Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

8. ☒ Assignment Papers (cover sheet & document(s))

9. ☐ 37 C.F.R. § 3.73(b) Statement (when there is ☐ Power of Attorney an assignee)

10. ☐ English Translation Document (if applicable)

11. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations

12. ☐ Preliminary Amendment

13. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)

14. ☐ *Small Entity Statement(s) ☐ Statement filed in prior application, Status still proper and desired ((PTO/SB/09-12))

15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)

16. ☐ Other:

*NOTE FOR ITEMS 1 & 14: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: /

Prior application Information: Examiner

Group/Art Unit:

18. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label

(Insert Customer No. or Attach bar code label here)

or ☒ Correspondence address below

Name Robert A. Cesari

Address Cesari and McKenna
30 Rowes Wharf

City Boston

State

MA

Zip Code

02110

Country U. S. A.

Telephone

(617) 951-2500

Fax

(617) 951-3927

Name (Print/Type)

Robert A. Cesari

Registration No. (Attorney/Agent)

18,381

Signature

Robert A. Cesari

Date

May 10, 1999

FEE TRANSMITTAL

Patent fees are subject to annual revision on October 1.

These are the fees effective October 1, 1997.

Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12.

See 37 C.F.R. §§ 1.27 and 1.28.

TOTAL AMOUNT OF PAYMENT

(\$ 3,758

Complete If Known

Application Number	Not yet assigned
Filing Date	Herewith
First Named Inventor	Yassir Elley et al.
Examiner Name	Not yet assigned
Group / Art Unit	Not yet assigned
Attorney Docket No.	112047-0013

METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit
Account
Number

03-1237

Deposit
Account
Name

Cesari and McKenna, LLP

- ☒ Charge Any Additional Fee Required Under 37 C.F.R. §§1.16 and 1.17 ☐ Charge the Issue Fee Set in 37 C.F.R. §§1.18 at the Mailing of the Notice of Allowance

2. ☒ Payment Enclosed:

☒ Check ☐ Money ☐ Other Order

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
101	760	201	380			Utility filing fee	760
106	310	206	155			Design filing fee	
107	480	207	240			Plant filing fee	
108	760	208	380			Reissue filing fee	
114	150	214	75			Provisional filing fee	
SUBTOTAL (1) (\$)							760

2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
128	20**	108 × 18 =	1,944
Independent Claims	16	3** = 13 × 78 =	1,014
Multiple Dependent			0

**or number previously paid, if greater; For Reissues, see below

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	78	202	39	Independent claims in excess of 3
104	260	204	130	Multiple dependent claim, if not paid
109	78	209	39	**Reissue independent claims over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 2,958

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
105	130	205	65			Fee Surcharge - late filing fee or oath	
127	50	227	25			Surcharge - late provisional filing fee or cover sheet	
139	130	139	130			Non-English Specification	
147	2,520	147	2,520			For filing a request for reexamination	
112	920	112	920*			Requesting publication of SIR prior to Examiner action	
113	1,840	113	1,840*			Requesting publication of SIR after Examiner action	
115	110	215	55			Extension for reply within first month	
116	380	216	190			Extension for reply within second month	
117	870	217	435			Extension for reply within third month	
118	1,360	218	680			Extension for reply within fourth month	
128	1,850	128	925			Extension for reply within fifth month	
119	300	219	150			Notice of Appeal	
120	300	220	150			Filing a brief in support of an appeal	
121	260	221	130			Request for oral hearing	
138	1,510	138	1,510			Petition to institute a public use proceeding	
140	110	240	55			Petition to revive - unavoidable	
141	1,210	241	605			Petition to revive - unintentional	
142	1,210	242	605			Utility Issue fee (or reissue)	
143	430	243	215			Design Issue fee	
144	580	244	290			Plant Issue fee	
122	130	122	130			Petitions to the Commissioner	
123	50	123	50			Petitions related to provisional applications	
126	240	126	240			Submission of Information Disclosure Stmt	
581	40	581	40			Recording each patent assignment per property (times number of properties)	40
146	760	246	380			Filing a submission after final rejection (37 CFR 1.129(a))	
149	760	249	380			For each additional invention to be examined (37 CFR 1.129(b))	
Other (specify)							0
Other fee (specify)							0
SUBTOTAL (3) (\$)							40

*Reduced by Basic Filing Fee Paid

SUBMITTED BY

Typed or
Printed Name

Robert A. Cesari

Signature

Robert A. Cesari

Date

May 10, 1999

Complete (if applicable)

Reg. Number

18,381

Deposit Account User ID

05/10/99
JC542 U.S. PTO

PATENTS
112047-0013

A

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

JC542 U.S. PTO
09/310165
05/10/99

In Re The Application of:)
Yassir Elley et al.)
Serial No.: Not yet assigned) Examiner: Not yet assigned
Filed: Herewith) Art Unit: Not yet assigned
For: METHOD AND SYSTEM FOR)
PROVING MEMBERSHIP IN A)
NESTED GROUP USING CHAINS)
OF CREDENTIALS)

Cesari and McKenna, LLP
30 Rowes Wharf
Boston, MA 02110
May 10, 1999

CERTIFICATE OF EXPRESS MAILING

"Express Mail" Mailing-Label Number: EL024396881US

I hereby certify that the following Utility Patent Application (37 pages), Utility Patent Application Transmittal, Recordation Form Cover Sheet and Assignment, Fee Transmittal, Declaration, Letter to Official Draftsman with Formal Drawings (Fig. 1-6) Check in the amount of \$2,958, Check in the amount \$1,210 and Check in the amount of \$40 are is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service pursuant to 37 C.F.R. §1.10 in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231, on May 10, 1999.

Carol Vandenburg

Carol Vandenburg

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

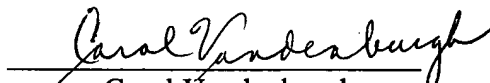
In Re The Application of:)	
Yassir Elley et al.)	
)	
Serial No.: Not yet assigned)	Examiner: Not yet assigned
)	
Filed: Herewith)	
)	
For: METHOD AND SYSTEM FOR)	Art Unit: Not yet assigned
PROVING MEMBERSHIP IN A)	
NESTED GROUP USING CHAINS)	
OF CREDENTIALS)	

Cesari and McKenna, LLP
30 Rowes Wharf
Boston, MA 02110
May 10, 1999

CERTIFICATE OF EXPRESS MAILING

“Express Mail” Mailing-Label Number: EL024396881US

I hereby certify that the following Formal Drawings (Fig. 1-6) are being deposited with the United States Postal Service “Express Mail Post Office to Addressee” service pursuant to 37 C.F.R. §1.10 in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231, on May 10, 1999.


Carol Vandenburg

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

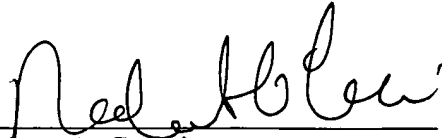
Sir:

LETTER TO OFFICIAL DRAFTSMAN

If the Examiner in charge of the above-identified application approves, please substitute the enclosed drawing sheets containing formal versions of Figures 1-6 for the corresponding drawing sheets currently in the application.

Please charge any additional fee occasioned by this paper to our Deposit Account
No. 03-1237.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Robert A. Cesari", written over a horizontal line.

Robert A. Cesari
Reg. No. 18,381
CESARI AND MCKENNA, LLP
30 Rowes Wharf
Boston, MA 02110-2699
(617) 951-2500